



Rockland County

FACILITIES MANAGEMENT

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COUNTY EXECUTIVE

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CAPITAL PROJECT 4466 BUILDING E UTILITY PLANT RENOVATION & IMPROVEMENTS DR. ROBERT L YEAGER HEALTH CENTER

50 SANATORIUM RD,
POMONA, NY 10970

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KEYPLAN

CAMPUS - KEYPLAN

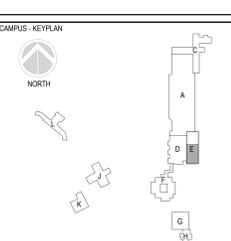
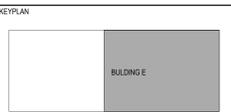
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PROJECT
CAPITAL PROJECT 4466
BUILDING E UTILITY PLANT
RENOVATION & IMPROVEMENTS
DR. ROBERT L. YEAGER HEALTH CENTER
50 SANATORIUM ROAD,
POMONA, NY 10970

DRAWING TITLE
COVER SHEET

SCALE NONE	PROJECT NO. NRCK0016.00
DRAWN BY NW	DRAWING NO. T0.1
CHECKED BY RS	DATE 04-28-2020



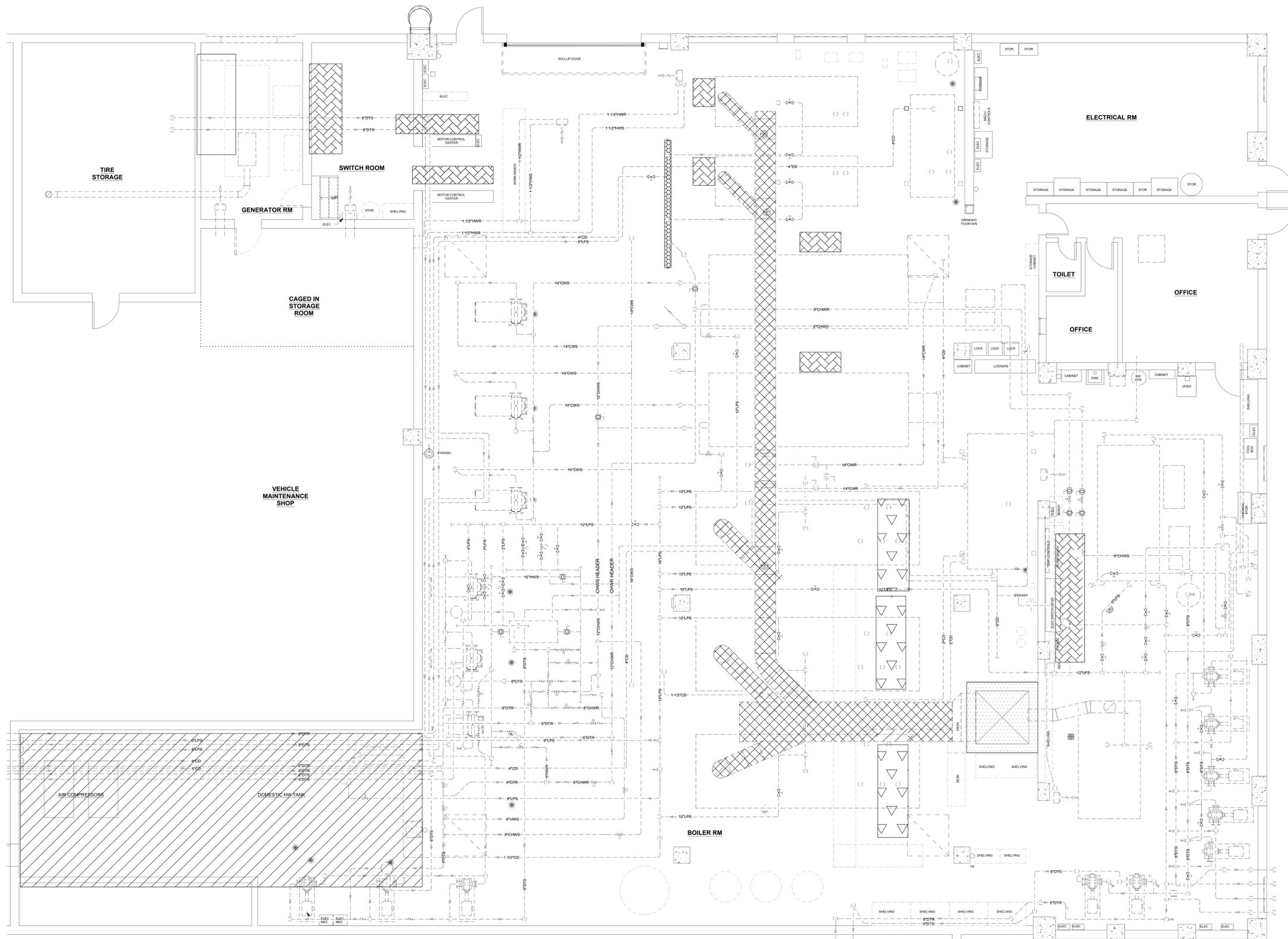
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 RENOVATION & IMPROVEMENTS
 DR. ROBERT L. YEAGER HEALTH CENTER
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 POMONA, NY 10970

DRAWING TITLE:
**INTERIOR ASBESTOS
 REMOVAL LOCATIONS PLAN**

SCALE: 3/4" = 1'-0"	PROJECT NO: NRCK0016.00
DRAWN BY: ANM	DRAWING NO.:
CHECKED BY: TM	ASB1.1
DATE: 04-28-2020	

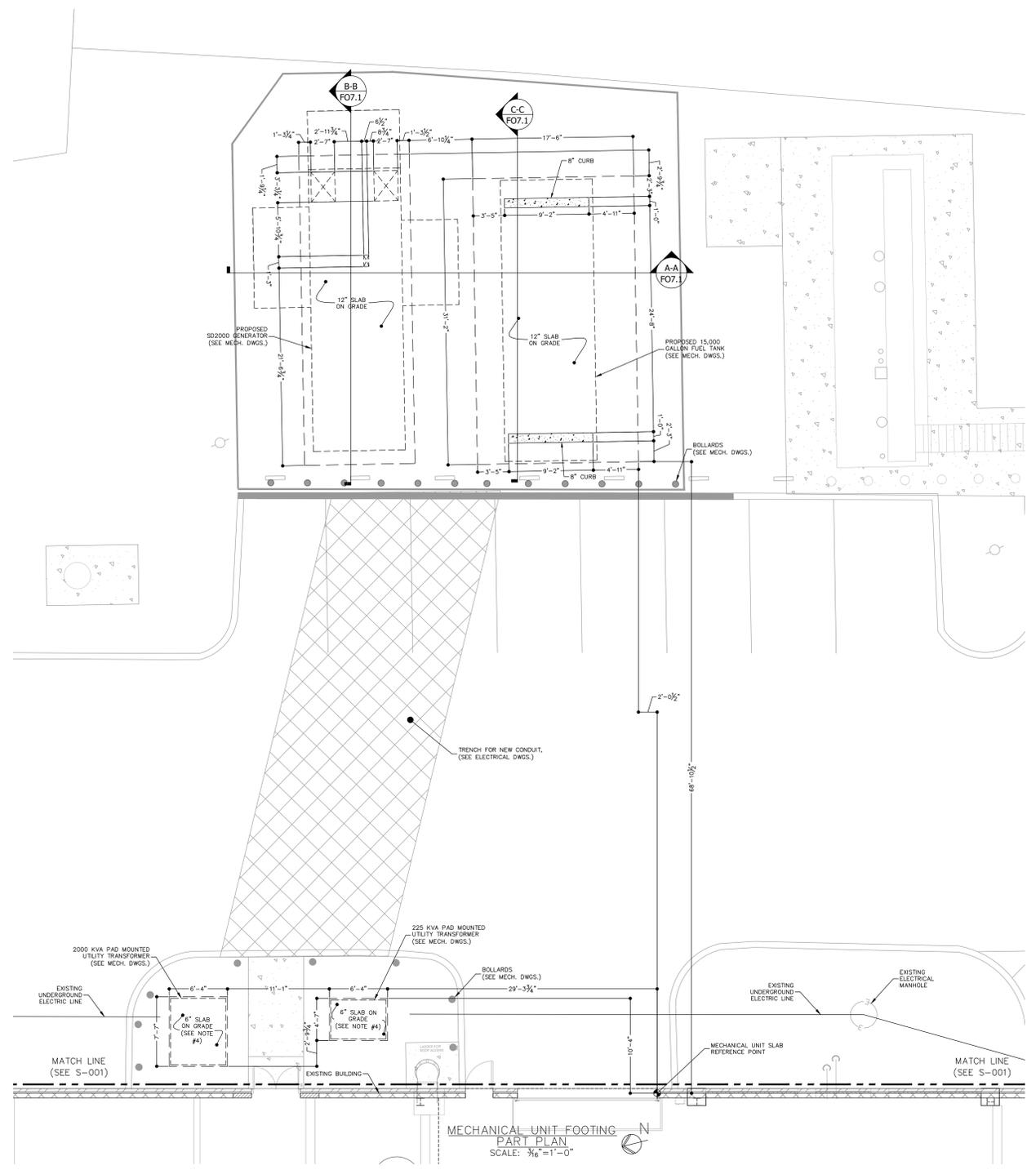


INTERIOR ASBESTOS (ACM's) REMOVAL PLAN

- ABATEMENT CONTRACTOR TO REMOVE AND DISPOSE OF ACM BREECING INSULATION**
- ABATEMENT CONTRACTOR TO REMOVE AND DISPOSE OF ACM PIPE INSULATION**
- ABATEMENT CONTRACTOR TO REMOVE AND DISPOSE OF ACM MUDDED JOINT PACKING ON METAL FITTINGS**
- ABATEMENT CONTRACTOR TO REMOVE AND DISPOSE OF PACM ELECTRICAL COMPONENTS AND/OR WIRING INSULATION**
- ABATEMENT CONTRACTOR TO REMOVE AND DISPOSE OF PACM REFRACTORY BRICK AND/OR CEMENT**
- ABATEMENT CONTRACTOR TO REMOVE AND DISPOSE OF PACM BREECING/ CHIMNEY INSULATION**

LEGEND	
	EXISTING CMU WALL
	BRICK
	SLAB OPENING (SEE NOTE #3)
	EDGE OF ROOF
	CONCRETE FOUNDATION

- GENERAL NOTES:
- ALL EXISTING INFORMATION SHOWN BASED ON AS-BUILT ROOF FRAMING DOCUMENTS. AS-BUILT ROOF FRAMING DOCUMENTS ARE NOT REFLECTIVE OF THE EXISTING ROOF FRAMING CONDITIONS.
 - DRAWING IS SCHEMATIC ONLY AS IS NOT TO BE USED AS A SCALED REPRESENTATION OF THE EXISTING SITE CONDITIONS.
 - ELECTRICAL MARK OUT AS PER ROCKLAND COUNTY HEALTH CENTER UTILITY PLOT PLAN - REVISION OF 2-1-83 DATED SEPTEMBER 1, 1984. MARK OUT OF EXISTING UTILITIES SHALL BE PERFORMED PRIOR TO CONSTRUCTION. NOTIFY E.O.R. IF EXISTING UTILITIES VARY FROM THOSE SHOWN ON PLAN.
 - TRANSFORMER SLAB REINFORCEMENT SHALL BE #4 @ 12" O.C.E.W., BOTTOM REINFORCEMENT.
 - SEE "TYPICAL OPENING IN STRUCTURAL SLAB DETAIL" ON F07.1 FOR REINFORCEMENT REQUIREMENTS AT SLAB OPENINGS.
 - CONNECTION OF TRANSFORMERS, FUEL TANK AND GENERATOR TO CONCRETE SLABS SHALL BE BY OTHERS.



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KEYPLAN

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CAMPUS - KEYPLAN

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DRAWING TITLE
FOUNDATION PLAN

SCALE AS NOTED	PROJECT NO. NRCK0016.00
DRAWN BY BL	DRAWING NO. FO2.1
CHECKED BY RZ	DATE 04-28-2020

NO.	DESCRIPTION	DATE
1	ISSUED FOR BID	11/01/2021

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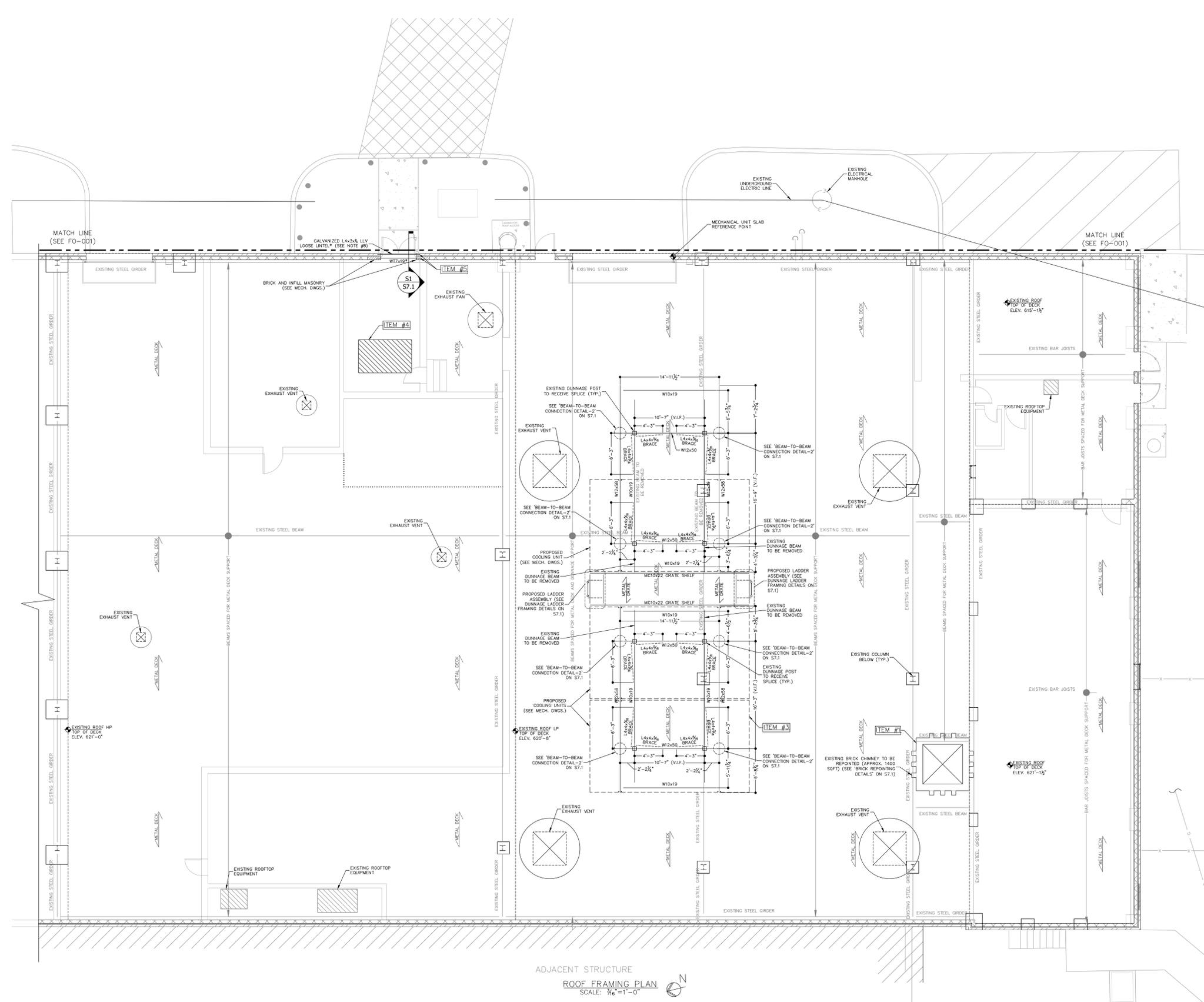
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 POMONA, NY 10970

DRAWING TITLE
 ROOF FRAMING PLAN

SCALE	PROJECT NO.
AS NOTED	NRCK0016.00
DRAWN BY BL	DRAWING NO.
CHECKED BY RZ	S2.1
DATE 04-28-2020	

- LEGEND**
- EXISTING CMU WALL
 - PROPOSED INFILL CMU (SEE MECH. DWGS.)
 - BRICK
 - ROOF OPENING
 - EDGE OF ROOF
 - WALL ABOVE
 - CONCRETE FOUNDATION
 - STEEL BEAM (SEE NOTE #4)
 - PROPOSED MANICHOLS
 - GALVANIZED STRIPPED Q100 GRATE OR APPROVED EQUAL
 - EXISTING BAR JOISTS
- SEE MECHANICAL DRAWINGS FOR PROPOSED WT HEADER AND BRICK ANGLE ELEVATIONS.

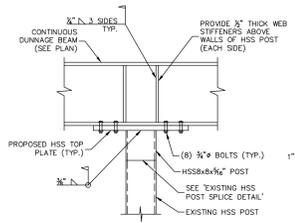
- GENERAL NOTES**
1. ALL EXISTING INFORMATION SHOWN BASED ON AS-BUILT ROOF FRAMING DOCUMENTS. AS-BUILT ROOF FRAMING DOCUMENTS ARE NOT REFLECTIVE OF THE EXISTING ROOF FRAMING CONDITIONS.
 2. DRAWING IS SCHEMATIC ONLY AS IS NOT TO BE USED AS A SCALED REPRESENTATION OF THE EXISTING SITE CONDITIONS.
 3. LOADS ON DUNNAGE POSTS (TO REMAIN) FROM PROPOSED COOLING UNITS ARE LESS THAN EXISTING LOADS. THEREFORE ROOF FRAMING IS ADEQUATE.
 4. TOP OF STEEL BEAMS TO BE 4'-6" ABOVE TOP OF FINISHED EXISTING ROOF.
 5. SEE 'BEAM-TO-BEAM CONNECTION DETAIL-2' ON S7.1 FOR PROPOSED DUNNAGE BEAM CONNECTION REQUIREMENTS. I.I.N.O.
 6. EXISTING DUNNAGE POST LOCATIONS TO BE VERIFIED IN FIELD PRIOR TO COMMENCEMENT OF WORK. NOTIFY E.O.R. IF LOCATIONS OF POSTS VARY FROM LOCATIONS SHOWN ON PLAN.
 7. ELECTRICAL MARK OUT AS PER ROCKLAND COUNTY HEALTH CENTER UTILITY PLAN - REVISION OF 2-1-83 DATED SEPTEMBER 1, 1984. MARK OUT OF EXISTING UTILITIES SHALL BE PERFORMED PRIOR TO CONSTRUCTION. NOTIFY E.O.R. IF EXISTING UTILITIES VARY FROM THOSE SHOWN ON PLAN.
 8. LOOSE UNTEL SHALL RECEIVE INTUMESCENT PAINT PRIOR TO INSTALLATION.
- SCOPE OF WORK ITEMS:**
1. EXISTING MASONRY CHIMNEY TO BE REPAIRED AND RE-POINTED.
 2. FOUNDATION TO SUPPORT PROPOSED GENERATOR AS WELL AS TRENCHING (BY OTHERS) TO RUN CONDUIT TO EXISTING BUILDING.
 3. PROPOSED COOLING UNITS.
 - 3.1. EXISTING COOLING TOWERS (NOT SHOWN) AND DUNNAGE BEAMS TO BE REMOVED. DUNNAGE POSTS TO REMAIN.
 - 3.2. PROPOSED DUNNAGE FRAMING TO BE ADDED TO PROVIDE SUPPORT FOR THE PROPOSED COOLING UNITS AND WILL BE CONNECTED TO THE EXISTING POSTS.
 - 3.3. PROPOSED COOLING UNITS TO BE INSTALLED OVER AND CONNECT TO REVISED DUNNAGE.
 4. EXISTING OUTSIDE AIR INTAKE PENHOUSE UNIT TO BE REMOVED AND ROOF OPENING TO BE FILLED WITH STRUCTURAL FRAMING MATERIAL. SEE 'ROOF OPENING INFILL DETAIL' ON S7.1.
 5. EXISTING LOUVER TO BE REPLACED BY PROPOSED 7'-0" DOOR, BY OTHERS. EXISTING OPENING TO BE INFILLED BY OTHERS WITH DOOR HEADER BEAM AND LOOSE UNTEL BRICK ANGLE OVER PROPOSED 7'-0" DOOR AS SHOWN.



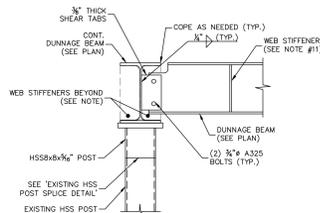
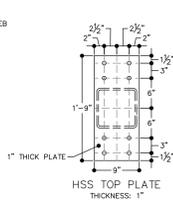
ADJACENT STRUCTURE
 ROOF FRAMING PLAN
 SCALE: 1/8" = 1'-0"

STRUCTURAL STEEL NOTES:

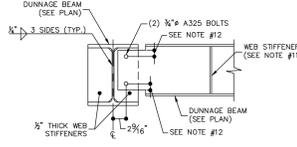
- ALL STRUCTURAL STEEL, EXCEPT RECTANGULAR AND SQUARE COLUMNS TO BE ASTM A992 GRADE 50 (FY=50KSI). RECTANGULAR AND SQUARE STEEL COLUMNS TO BE ASTM A500 GR.B. MISCELLANEOUS PLATES AND ANGLES TO BE A36, U.N.O. ALL STEEL TO BE FABRICATED, DETAILED, AND ERECTED IN ACCORDANCE WITH LATEST A.I.S.C. STANDARDS.
- ALL STEEL EXPOSED TO WEATHER SHALL BE COATED WITH ANTI-CORROSION PAINT.
- ALL NUTS, BOLTS AND WASHERS SHALL BE HIGH STRENGTH ASTM DESIGNATION A325N U.N.O., INSTALLED BY TURN-OF-NUT METHOD OR A CALIBRATED TORQUE WRENCH. ALL BOLTS TO BE 3/4" U.N.O.
- ALL WELDS SHALL BE MADE BY WELDERS WHO HAVE BEEN PREVIOUSLY QUALIFIED BY TESTS AS PRESCRIBED IN THE A.W.S. STANDARD CODE FOR WELDING IN BUILDING CONSTRUCTION.
- G.C. SHALL SUBMIT STEEL SHOP DRAWINGS TO E.O.R. FOR REVIEW AND APPROVAL. SHOP DRAWINGS SHALL INCLUDE, BUT NOT LIMITED TO, BEAMS, COLUMNS, PLATES, ANGLES, CHANNELS, ANCHOR BOLTS, AND ALL CONNECTIONS.
- ALL WELDING ELECTRODES SHALL CONFORM TO ASTM SERIES A-233. ALL WELDING AND WELDING SYMBOLS ON DRAWINGS SHALL CONFORM TO A.W.S. STANDARD CODE FOR WELDING BUILDING CONSTRUCTION.
- BOLT HOLES WILL NOT BE PERMITTED IN BEAM FLANGES U.N.O.
- ALL STEEL OTHER THAN JOISTS AND STANDARD BRIDGING TO BE PROVIDED BY THE STEEL FABRICATOR.
- FIELD CUTTING OR BURNING OF STRUCTURAL STEEL IS PROHIBITED WITHOUT EXPRESSED APPROVAL OF STRUCTURAL ENGINEER.
- THE OWNER SHALL PERFORM A MAINTENANCE PROGRAM TO PROTECT THE STRUCTURE AGAINST WATER PENETRATION AND CORROSION.
- ALL DUNNAGE BEAMS SHALL HAVE 3/4" WEB STIFFENERS AT 4'-0" ON CENTER, U.N.O. SEE TYPICAL WEB STIFFENER WELDING DETAIL FOR CONNECTION REQUIREMENTS.
- BOLT EDGE DISTANCE WITH COPE SHALL NOT EXCEED 1 1/2".



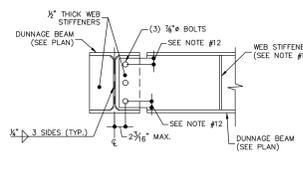
CONTINUOUS DUNNAGE BEAM OVER HSS CONNECTION DETAIL
N.T.S.



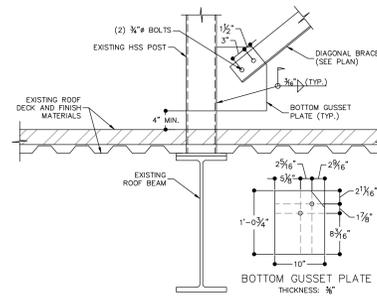
BRACE BEAM CONNECTION DETAIL
N.T.S.



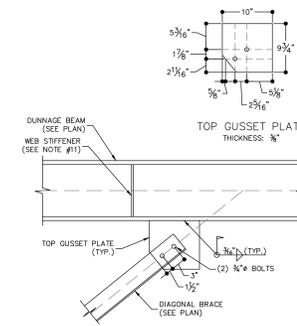
BEAM-TO-BEAM CONNECTION DETAIL 1
N.T.S.



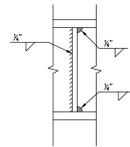
BEAM-TO-BEAM CONNECTION DETAIL 2
N.T.S.



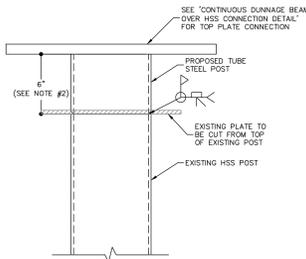
TYPICAL DIAGONAL BRACE-TO-POST CONNECTION DETAIL
N.T.S.



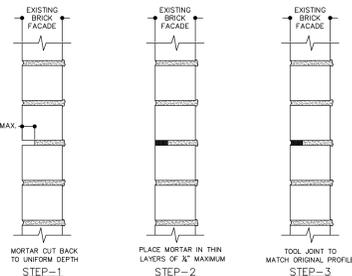
TYPICAL DIAGONAL BRACE-TO-BEAM CONNECTION DETAIL
N.T.S.



TYPICAL WEB STIFFENER WELDING DETAIL (W6 TO W14)
N.T.S.



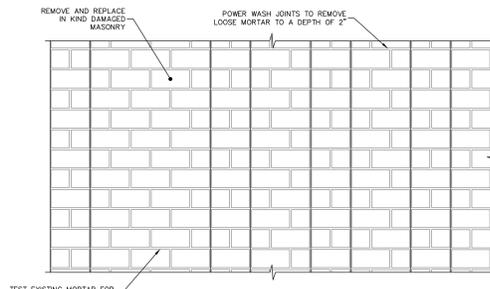
EXISTING HSS POST SPLICE DETAIL
N.T.S.



BRICK REPOINTING DETAILS
N.T.S.

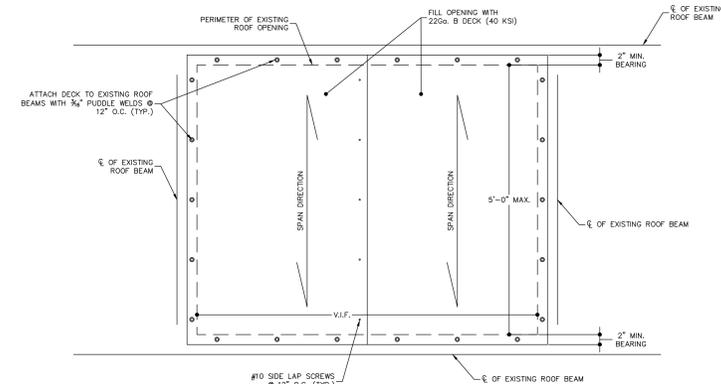
REPOINTING PROCEDURE:

- REMOVE OLD MORTAR TO A DEPTH OF 3/4" TO 1" OR UNTIL SOUND MORTAR IS REACHED. DO NOT REMOVE MORTAR IN EXCESS OF ONE-THIRD THE DEPTH OF MASONRY UNLESS THE PROFILE OF THE RESULTING JOINT SHOULD RESEMBLE AS SHOWN ON STEP-1, IN WHICH THE MORTAR HAS BEEN CUT BACK TO A UNIFORM DEPTH.
- LOOSE AND DEBRIS SHOULD BE REMOVED FROM THE JOINT BY BRUSHING, RINSING WITH WATER OR BLOWING WITH AIR.
- UTILIZE PREHYDRATED MORTAR (750 PSI MAX) TO REDUCE SHRINKAGE. MIX IN THE PROPER ADDITIVES, IF ANY, TO MATCH THE COLOR OF EXISTING MORTAR.
- DAMPENED THE JOINTS TO BE REPOINTED, TO MAKE SURE THAT THE NEW MORTAR MAKES A GOOD BOND.
- SPOUR THE NEW MORTAR INTO JOINTS IN LAYERS 3/8" THICK OR LESS TO REDUCE AIRPOCKETS AND VOIDS, AS SHOWN IN STEP-2.
- SAME LAYER SHOULD BE THUMBPRINT HARD BEFORE THE NEXT IS APPLIED. FINAL JOINT TOOLING SHALL BE DONE THE SAME WAY AS WITH NEW CONSTRUCTION. THE JOINT SHOULD BE TOOLED TO MATCH THE ORIGINAL PROFILE AS SHOWN IN STEP-3.
- MORTAR JOBS SHOULD BE BRUSHED OFF AFTER THE MORTAR IS DRY, TO REDUCE SMEARING. COMMERCIAL CLEANING COMPOUNDS CAN BE USED TO CLEAN THE WALL.
- ALL DELAMINATING/DISINTEGRATING BRICKS SHALL BE REPLACED WITH NEW BRICKS.

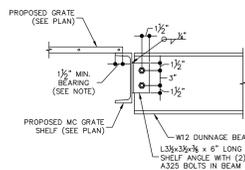


BRICK REPOINTING ELEVATION DETAIL
N.T.S.

- NOTES:**
- AT LOCATIONS WHERE MASONRY IS DAMAGED OR MISSING, REMOVE AND REPLACE MASONRY AND MORTAR, WORKING IN SMALL LOCATIONS.

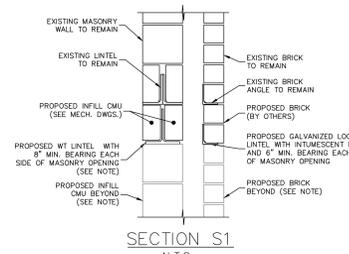


ROOF OPENING INFILL DETAIL
N.T.S.



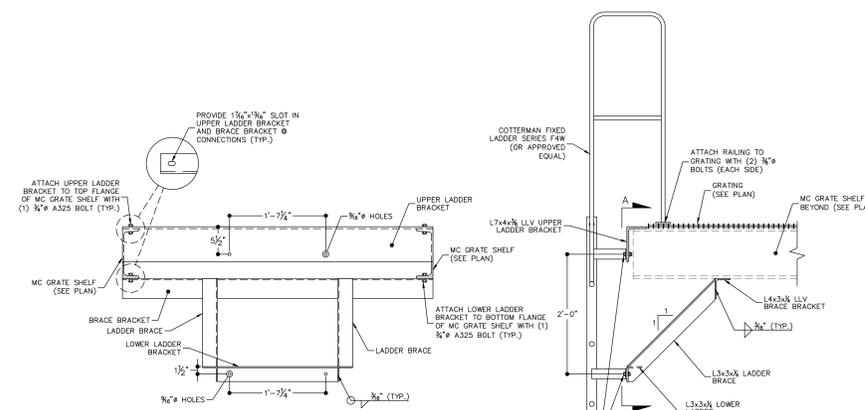
TYPICAL GRADE BEARING AND SHELF CONNECTION DETAIL
N.T.S.

NOTE: ONE SIDE OF GRATING SHALL BE MECHANICALLY FASTENED TO SHELF (SEE MANUFACTURER'S LITERATURE FOR REQUIREMENTS), WHILE OTHER SIDE SHALL BE FREE TO DISPLACE LATERNALLY.



SECTION S1
N.T.S.

NOTE: SEE MECHANICAL DRAWINGS FOR ELEVATION AND ATTACHMENT OF WT LINTEL AND GALVANIZED LOOSE LINTEL TO INFILL CMU AND BRICK RESPECTIVELY.



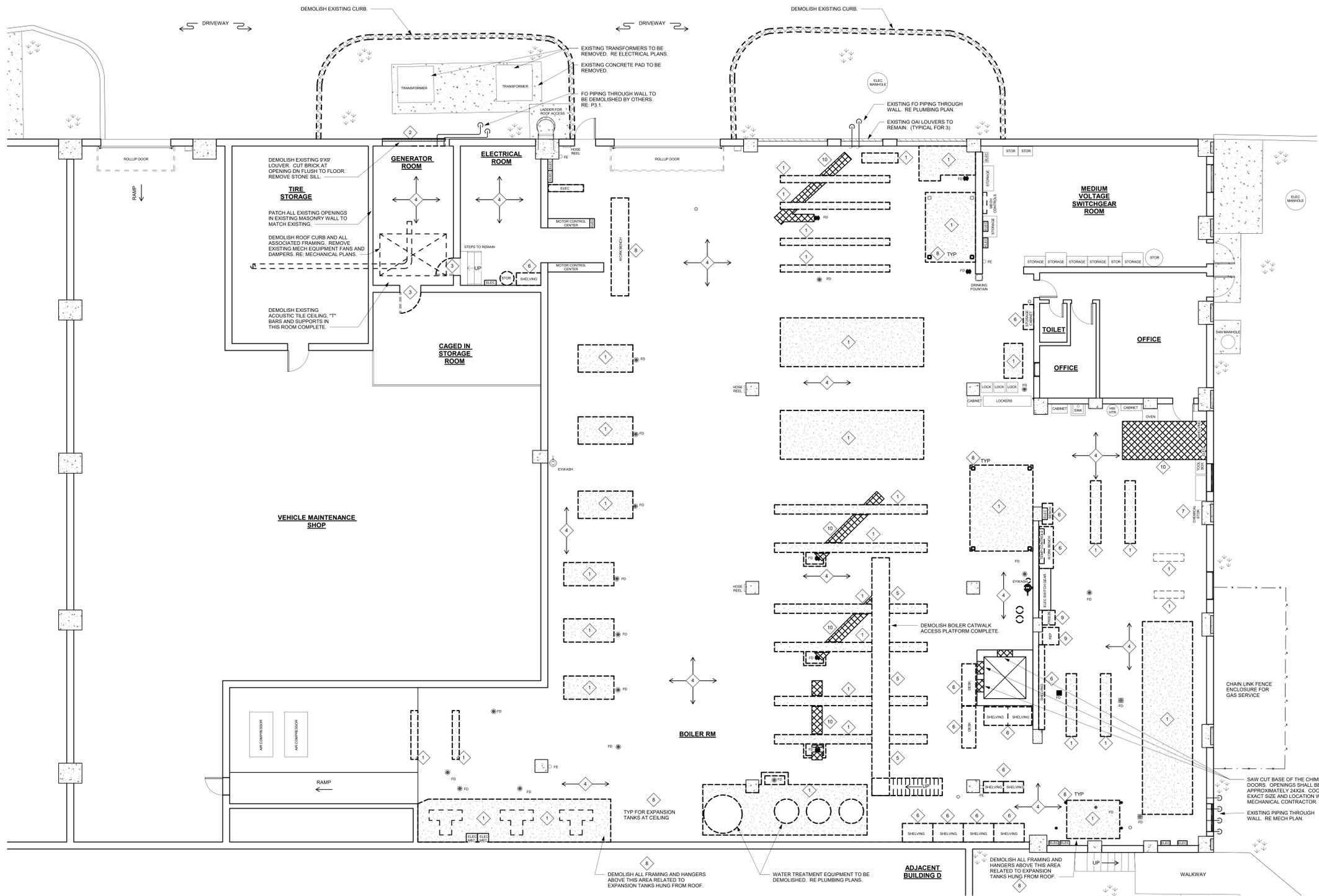
DUNNAGE LADDER FRAMING DETAILS
N.T.S.

NOTE: VERIFY ALL LADDER ASSEMBLY DIMENSIONS AND ATTACHMENT REQUIREMENTS WITH MANUFACTURER'S LITERATURE.

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- GEN. CONSTRUCTION DEM. NOTES**
- DEMOLISH ALL EXISTING EQUIPMENT CONCRETE HOUSEKEEPING PADS AND SUPPORTS COMPLETE. PATCH FLOOR TO MATCH EXISTING. TRAWL FLOOR SMOOTH TO MATCH EXISTING.
 - DEMOLISH EXISTING LOUVER FRAME ASSEMBLY, MOTORIZED DAMPER, AND ACTUATOR ASSEMBLY. TRAWL SURFACE SMOOTH.
 - DEMOLISH EXISTING DOOR INCLUDING FRAME AND HARDWARE.
 - DEMOLISH ALL ABANDONED STEEL HANGERS AND SUPPORTS FROM STRUCTURAL MEMBERS. REMOVE ALL ABANDONED PIPING, CONDUIT AND WIRES THROUGH FLOORS, WALLS AND ROOF. REFER TO MECHANICAL, PLUMBING AND ELECTRICAL PLANS.
 - DEMOLISH EXISTING MAINTENANCE STAIR & PLATFORM AND DISPOSE.
 - REMOVE & STORE & RELOCATE EXISTING FIXED SHELVING, WORKBENCHES, CABINETS & LOCKERS. ALL ITEMS SHALL BE STORED AND RETURNED TO A NEW LOCATION. COORDINATE WITH NEW MECHANICAL AND ELECTRICAL EQUIPMENT. ALL OTHER PORTABLE EQUIPMENT SUCH AS TROLLEYS, ROLLING WORK BENCHES, LOOSE MATERIALS ETC. SHALL BE RELOCATED WITHIN THE BOILER ROOM FOR CONVENIENCE AND SHALL BE COORDINATED WITH THE LOCAL MAINTENANCE STAFF.
 - REMOVE & STORE EXISTING FLAMMABLE STORAGE CABINET. PATCH WALL WHERE VENT PENETRATES TO THE EXTERIOR. PROVIDE ADEQUATE VENTILATION IN TEMPORARY STORAGE LOCATION.
 - DEMOLISH ALL EXISTING STEEL STRUCTURAL SUPPORTS FOR EXPANSION TANKS, BOILER FEED TANKS ETC. ALL SUPPLEMENTAL STRUCTURAL STEEL SHALL BE REMOVED.
 - RELOCATE EXISTING REFRIGERATOR AND FREEZER. COORDINATE NEW LOCATION WITH LOCAL MAINTENANCE STAFF.
 - SAW CUT FLOOR FOR THE REMOVAL OF UNDER FLOOR SAN PIPING AND THE INSTALLATION OF NEW PIPING. PROVIDE TRENCING BEDDING AND BACK FILL. PATCH FLOOR TO MATCH EXISTING CONCRETE. AREAS SHOWN ARE FOR GENERAL REFERENCE. REFER TO PLUMBING PLANS. FIELD VERIFY AND COORDINATE WITH PLUMBING CONTRACTOR THE EXACT LOCATION AND SIZE.
 - THE CONTRACTORS SHALL SUBMIT FOR REVIEW A COMPOSITE SHOP DRAWING, FULLY COORDINATED WITH ALL OTHER TRADES, INDICATING DUCTWORK, PLUMBING PIPING, SMOKE DETECTORS, LIGHTS, CONDUITS, DIFFUSERS, GRILLES, ETC.
- NOTE:**
THE CONTRACTORS SHALL SUBMIT FOR REVIEW AND APPROVAL A COMPOSITE SHOP DRAWING, FULLY COORDINATED WITH ALL OTHER TRADES INDICATING ALL DUCTWORK, MECHANICAL EQUIPMENT, PIPING, ELECTRICAL EQUIPMENT, PLUMBING PIPING AND EQUIPMENT, LIGHTS, CONDUITS, DIFFUSERS, GRILLES AND FIRE ALARM DEVICES.

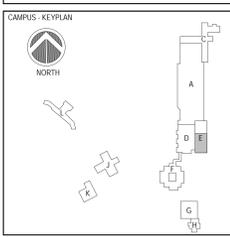
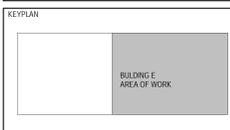
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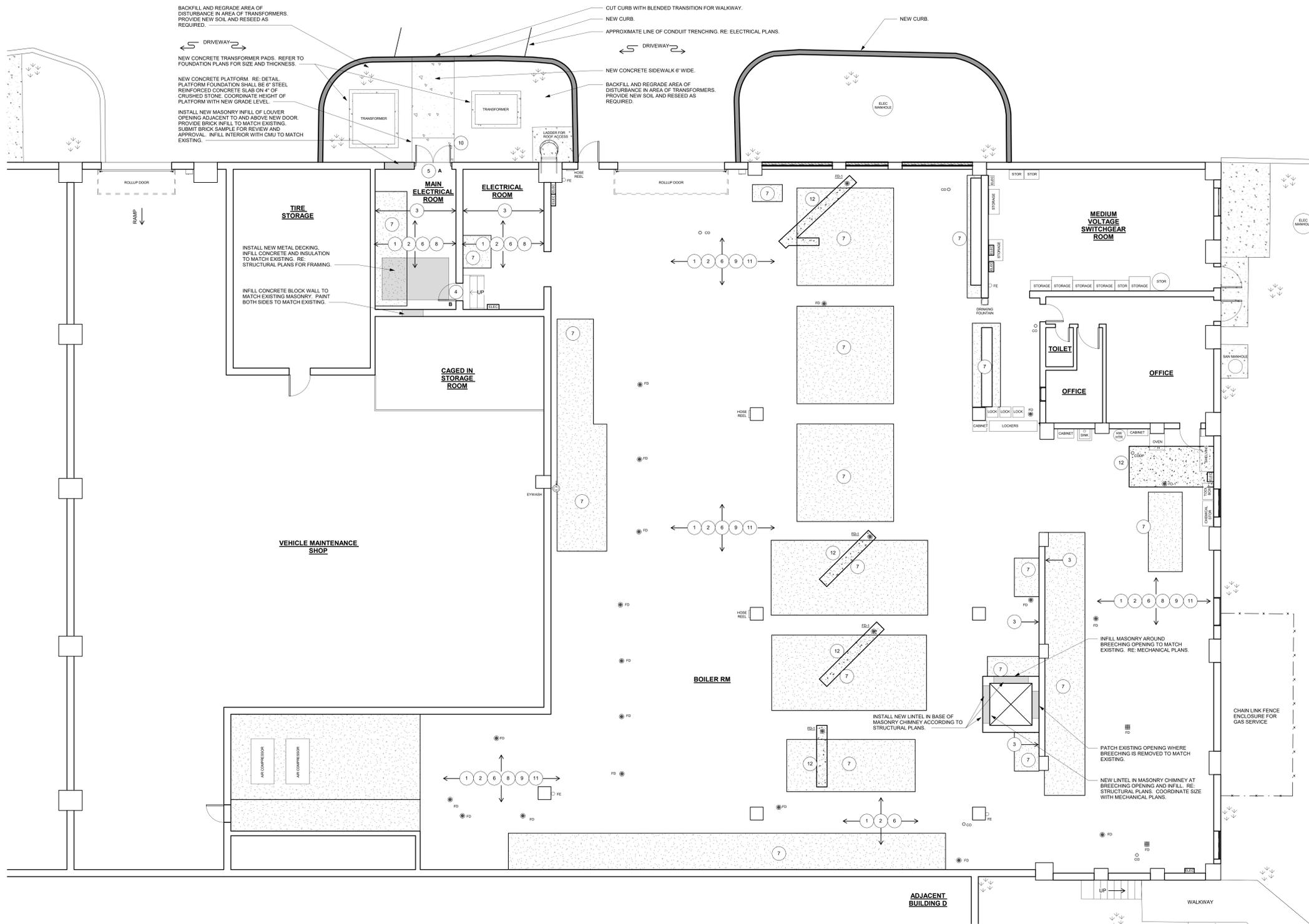
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PROJECT
 CAPITAL PROJECT 4466
 BUILDING E UTILITY PLANT
 RENOVATION & IMPROVEMENTS
 DR. ROBERT L. YEAGER HEALTH CENTER
 50 SANATORIUM ROAD,
 POMONA, NY 10970

DRAWING TITLE
 GENERAL CONSTRUCTION
 DEMOLITION FLOOR PLAN

SCALE	PROJECT NO.
3/16" = 1'-0"	NRCK0016.00
DRAWN BY NW	DRAWING NO.
CHECKED BY RS	GC1.1
DATE 04-28-2020	

1 GENERAL CONSTRUCTION - DEMOLITION FLOOR PLAN
 SCALE: 3/16" = 1'-0"



- GEN. CONSTRUCTION NOTES**
- POWER WASHING: POWER WASH WALL & FLOORS IN PREPARATION OF NEW PAINTING AND PATCHING. MECHANICALLY CLEAN FLOORS BY REMOVING LOOSE PAINT, DIRT, OIL AND DEBRIS. ALL EXISTING EQUIPMENT, PANELS, ELECTRONICS AND INSULATION MUST BE PROTECTED AND MADE WATER TIGHT PRIOR TO CLEANING.
 - PAINTING: PAINT ALL FLOORS AND CONCRETE HOUSEKEEPING PADS IN ALL ROOMS. FLOOR SHALL BE PRIMED AND PAINTED WITH GRAY URETHANE ALKID ENAMEL. ALL NEW AND EXISTING EQUIPMENT PADS TO REMAIN SHALL BE PRIMED AND PAINTED WITH BRIGHT YELLOW URETHANE ALKID ENAMEL. PAINT SHALL BE SHERWIN WILLIAMS OR BENJAMIN MOORE. SUBMIT PRODUCT SPECIFICATION TO ENGINEER FOR REVIEW AND APPROVAL.
 - PIPE AND CONDUIT FIRE STOPPING: PATCH WALL TO MATCH EXISTING CONSTRUCTION WHEREVER PIPING OR CONDUIT HAS BEEN DEMOLISHED. COORDINATE WITH MECHANICAL, ELECTRICAL AND PLUMBING DEMOLITION PLANS. PATCH EXISTING WALLS AND CEILING WITH BASF GEL PATCH LIGHTWEIGHT, HIGH STRENGTH CONCRETE REPAIR. PATCH ALL HOLES AND OPENINGS FULL DEPTH. FILL ALL SMALL SURFACE DAMAGE WHERE HANGERS, PIPES OR CONDUITS HAVE BEEN REMOVED. FOR LARGE APPLICATIONS, USE BASF 1040 RAPID SETTING CONCRETE REPAIR MORTAR. PREPARE SURFACES AND INSTALL PATCHING MATERIAL IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 - NEW 2 HOUR RATED DOOR FRAME AND HARDWARE. RE: DOOR "B" IN DOOR SCHEDULE.
 - NEW 2 HOUR RATED DOOR FRAME AND HARDWARE. RE: DOOR "A" IN DOOR SCHEDULE.
 - FIRE PROOFING: ALL EXISTING STRUCTURAL STEEL CEILING BEAMS THAT HAVE BEEN EXPOSED, WHERE CONCRETE HAS BEEN REMOVED OR IS LOOSE, SHALL BE FIRE PROOFED. REMOVE ANY LOOSE COVERING AND RUST ON STEEL. APPLY 1-1/2" OF FRACE MONOKOTE TYPE 2146 HIGH DENSITY CEMENTITIOUS FIRE PROOFING. USE FIRE BOND BONDING AGENT. PREP EXISTING STEEL AND CONCRETE AS PER THE MANUFACTURER'S SPECIFICATIONS.
 - NEW 6" CONCRETE HOUSEKEEPING PAD. COORDINATE EXACT LOCATION AND SIZE WITH MECHANICAL PLANS SUCH THAT PAD IS 6" LONGER AND WIDER THAN UNIT FOOTPRINT.
 - ALL EXISTING STEEL ROOF FRAMING INCLUDING EXPOSED COLUMNS, CROSS MEMBERS AND DECKING SHALL BE FIRE PROOFED WITH SPRAY ON FIRE RESISTIVE MATERIAL. ALL MATERIALS SHALL MEET ASTM 119, ASTM E708, E83. CLEAN AND PREPARE ALL SURFACES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION. FIRE PROOFING SHALL BE PERFORMED BEFORE NEW EQUIPMENT IS INSTALLED. PROTECT ALL EXISTING EQUIPMENT, DOORS, WINDOWS, WALLS AND FLOORS. THE PRODUCT SHALL BE "STANDARD" DENSITY AND SHALL HAVE A RATING OF 2 HOURS WHEN APPLIED TO UNRESTRAINED STRUCTURAL ELEMENTS. PRODUCT SHALL BE SIMILAR TO ISOLATEK TYPE HP AND CAFCO 400.
 - PAINT WALLS & COLLINS WHITE FROM FLOOR TO CEILING. PRIME ALL PATCHES OR IN FILLED AREAS. PAINT WITH SATU URETHANE ALKID ENAMEL. PAINT SHALL BE SHERWIN WILLIAMS OR BENJAMIN MOORE. SUBMIT PRODUCT SPECIFICATION TO ENGINEER FOR REVIEW AND APPROVAL.
 - PRECAST CONCRETE STEPS AS MANUFACTURED BY SHEA CONCRETE PRODUCTS. MANUFACTURED WITH 4,000 PSI CONCRETE. TREADS AND PLATFORM SHALL BE BROOM FINISH. WIDTH SHALL BE 7". RISERS SHALL BE 7" or 7-1/2" COORDINATE IN FIELD. TREADS SHALL BE 1/2" DEEP.
 - PATCH EXISTING SPALLING CONCRETE ON CEILINGS, WALLS, AND FLOORS WITH HIGH STRENGTH CONCRETE REPAIR MORTAR. PATCH ALL HOLES AND OPENINGS FULL DEPTH. PREPARE SURFACES AND INSTALL PATCHING MATERIAL IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 - PROVIDE BACKFILL AND BEDDING FOR PLUMBING PIPING. PATCH FLOORS AS REQUIRED TO MATCH EXISTING. AREAS SHOWN ARE GENERAL AND FOR REFERENCE. REFER TO PLUMBING PLANS AND COORDINATE EXACT SIZE AND LOCATION IN FIELD.

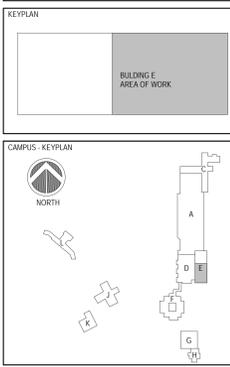
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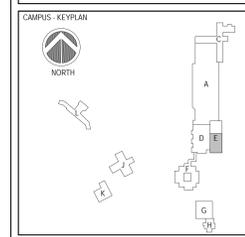
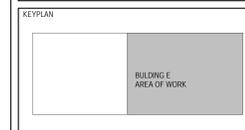
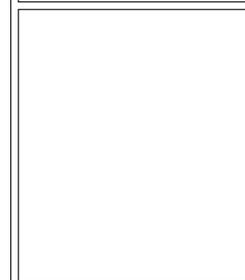
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 50 SANATORIUM ROAD,
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DRAWING TITLE
 GENERAL CONSTRUCTION
 NEW WORK FLOOR PLAN

1 GENERAL CONSTRUCTION - NEW WORK PLAN
 SCALE: 3/16" = 1'-0"

SCALE	PROJECT NO.
3/16" = 1'-0"	NRCCK0016.00
DRAWN BY	DRAWING NO.
NW	
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RS	GC2.1
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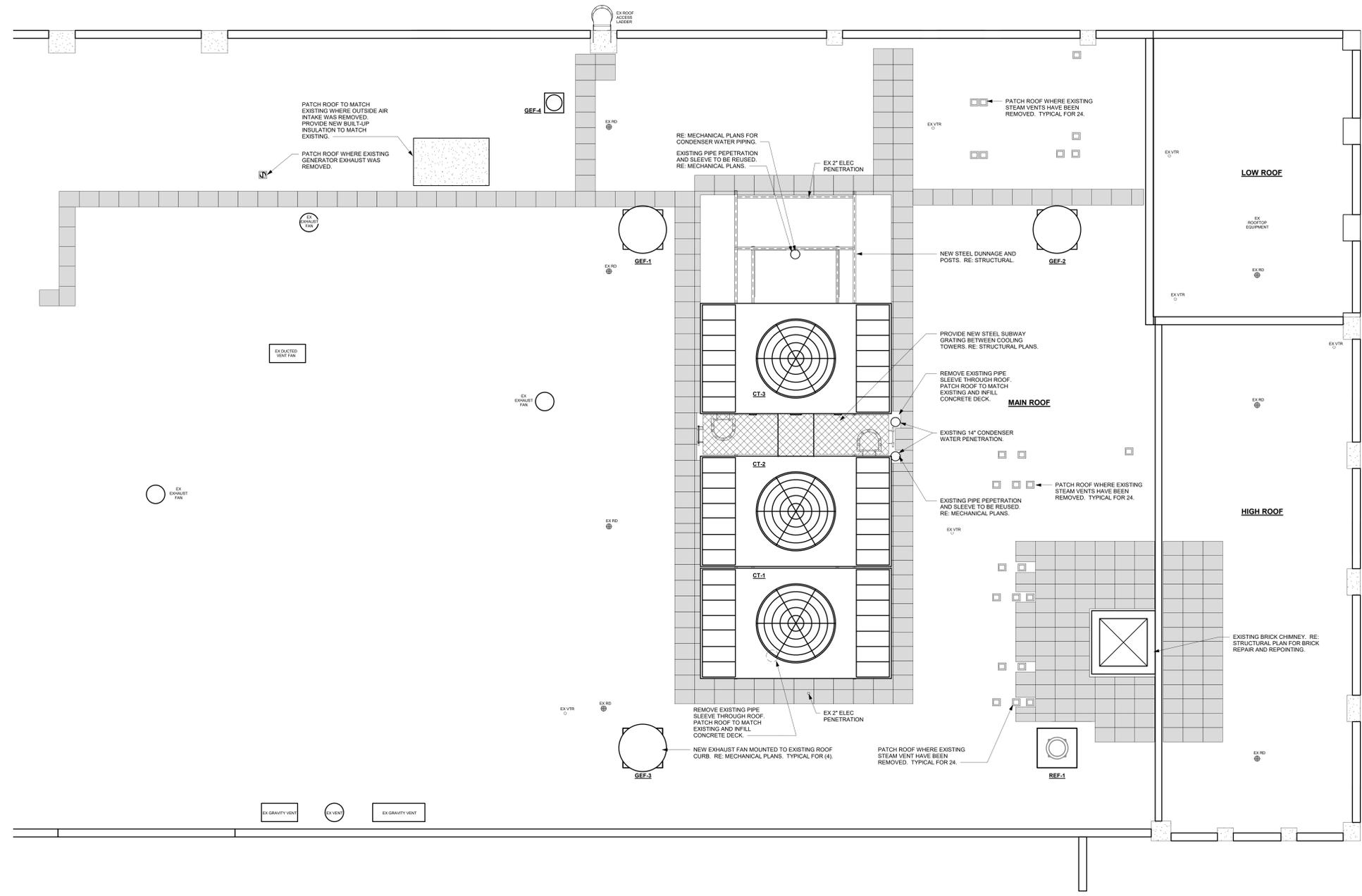
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 RENOVATION & IMPROVEMENTS
 DR. ROBERT L. YEAGER HEALTH CENTER
 50 SANATORIUM ROAD,
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DRAWING TITLE
**GENERAL CONSTRUCTION
 NEW WORK ROOF PLAN**

SCALE	PROJECT NO.
3/16" = 1'-0"	NRC00016.00
DRAWN BY	DRAWING NO.
NW	
CHECKED BY	
RS	
DATE	
04-28-2020	



1 GENERAL CONSTRUCTION - NEW WORK ROOF PLAN
 SCALE: 3/16" = 1'-0"

- NOTES:
1. THE ROOF SHALL BE PROTECTED DURING ALL PHASES OF WORK. PROVIDE PLYWOOD SHEET LAYED END-TO-END IN ALL AREAS OF WORK. DO NOT STORE MATERIALS ON ROOF.
 2. ALL ROOF WORK SHALL BE PERFORMED BY THE BONDED ROOFING CONTRACTOR.
 3. AT ALL LOCATIONS WHERE PIPE AND/OR EQUIPMENT IS TO BE REMOVED THE CONTRACTOR SHALL PATCH THE METAL DECK, INFILL CONCRETE, INFILL INSULATION, AND PATCH THE ROOF TO MATCH EXISTING. ALL MATERIAL SHALL MATCH THE EXISTING IN THICKNESS.

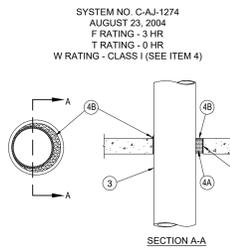
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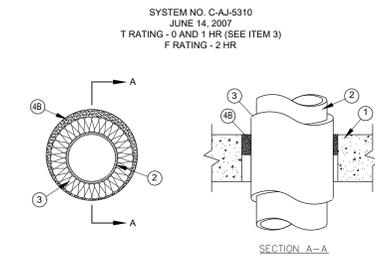
DRAWING TITLE: GENERAL CONSTRUCTION DETAILS

SCALE	PROJECT NO.
NONE	NRCK0016.00
DRAWN BY: NW	DRAWING NO.
CHECKED BY: RIS	GC2.3
DATE: 04-28-2020	



NOTES:
 1. FLOOR OR WALL ASSEMBLY - MIN 4-1/2 IN. THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF) CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS*. MAX DIAM OF OPENING IS 26 IN.
 • SEE CONCRETE BLOCKS (CAZT) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.
 2. STEEL SLEEVE (OPTIONAL) - NOM 14 IN. DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL SLEEVE CAST OR GROUTED INTO FLOOR OR WALL ASSEMBLY.
 3. THROUGH PENETRANTS - ONE METALLIC PIPE, CONDUIT OR TUBING INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN PIPE, CONDUIT OR TUBING AND PERIPHERY OF OPENING OR SLEEVE SHALL BE MIN 0 IN. (POINT CONTACT) TO MAX 2 IN. PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:
 A. STEEL PIPE - NOM 24 IN. DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.
 B. IRON PIPE - NOM 24 IN. DIAM (OR SMALLER) SERVICE WEIGHT (OR HEAVIER) CAST IRON SOIL PIPE, NOM 24 IN. DIAM (OR SMALLER) CLASS 50 (OR HEAVIER) DUCTILE IRON PRESSURE PIPE.
 C. CONDUIT - NOM 6 IN. DIAM (OR SMALLER) STEEL CONDUIT OR NOM 4 IN. DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING.
 D. COPPER TUBING - NOM 6 IN. DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.
 E. COPPER PIPE - NOM 6 IN. DIAM (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.
 4. FIRESTOP SYSTEM - THE DETAILS OF THE FIRESTOP SYSTEM SHALL BE AS FOLLOWS:
 A. PACKING MATERIAL - MIN 4 IN. THICKNESS OF MIN 4 PCF MINERAL WOOL BATT INSULATION FIRMLY PACKED INTO OPENING AS A PERMANENT FORM. PACKING MATERIAL TO BE RECESSED FROM TOP SURFACE OF FLOOR OR FROM BOTH SURFACES OF WALL AS REQUIRED TO ACCOMMODATE THE REQUIRED THICKNESS OF FILL MATERIAL.
 B. FILL VOID OR CAVITY MATERIALS* - CAULK OR SEALANT - MIN 1/4 IN. THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS. FLUSH WITH TOP SURFACE OF FLOOR OR WITH BOTH SURFACES OF WALL. MIN 1/4 IN. DIAM BEAD OF CAULK APPLIED TO THE PENETRANT/CONCRETE OR PENETRANT/SLEEVE INTERFACE AT THE POINT CONTACT LOCATION ON THE TOP SURFACE OF FLOOR OR BOTH SURFACES OF WALL.
 3M COMPANY - CP 25WB- CAULK OR FB-3000 WT SEALANT.
 (THE W RATING APPLIES ONLY WHEN FB-3000 WT IS USED.)
 *BEARING THE UL CLASSIFICATION MARKING

2 UNINSULATED PIPE AND CONDUIT FIRE STOPPING DETAIL
 SCALE: NONE



1. FLOOR OR WALL ASSEMBLY - MIN 4-1/2 IN. (114 MM) THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF OR 1600-2400 KG/M³) CONCRETE. FLOOR ASSEMBLY MAY ALSO BE CONSTRUCTED OF ANY MIN 8 IN. (192 MM) THICK UL CLASSIFIED HOLLOW-CORE PRECAST CONCRETE UNITS*. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS*. DIAM OF OPENING TO BE NOM 2 IN. (51 MM) LARGER THAN OUTSIDE DIAM OF PIPE COVERING MATERIAL (ITEM 3). MAX DIAM OF OPENING 12 IN. (305 MM), MAX DIAM OF OPENING IN FLOORS CONSTRUCTED OF HOLLOW-CORE CONCRETE IS 7 IN. (178 MM).
 SEE CONCRETE BLOCKS (CAZT) AND PRECAST CONCRETE UNITS (CFTV) CATEGORIES IN FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.
 2. THROUGH PENETRANTS - ONE METALLIC PIPE OR TUBING TO BE INSTALLED CONCENTRICALLY OR ECCENTRICALLY WITHIN OPENING. PENETRANT TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES OR TUBES MAY BE USED:
 A. STEEL PIPE - NOM 4 IN. (102 MM) DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.
 B. IRON PIPE - NOM 4 IN. (102 MM) DIAM (OR SMALLER) CAST OR DUCTILE IRON PIPE.
 C. COPPER TUBING - NOM 4 IN. (102 MM) DIAM (OR SMALLER) TYPE M (OR HEAVIER) COPPER TUBE.
 D. COPPER PIPE - NOM 4 IN. (102 MM) DIAM (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.
 3. PIPE COVERING - NOM 3 IN. (76 MM) THICK (OR LESS) HOLLOW CYLINDRICAL HEAVY DENSITY GLASS FIBER UNITS JACKETED ON THE OUTSIDE WITH AN ALL SERVICE JACKET. LONGITUDINAL JOINTS SEALED WITH METAL FASTENERS OR FACTORY-APPLIED SELF-SEALING LAP TAPE. TRANSVERSE JOINTS SECURED WITH METAL FASTENERS OR WITH BUTT TAPE SUPPLIED WITH PRODUCT. ANNULAR SPACE BETWEEN THE PIPE COVERING AND PERIPHERY OF OPENING OR SLEEVE SHALL BE MIN 3/8 IN. (10 MM) TO MAX 1-1/2 IN. (38 MM), WHEN PIPE COVERING MATERIAL THICKNESS IS LESS THAN 3 IN. (76 MM), T RATING IS 0 HR.
 SEE PIPE AND EQUIPMENT COVERING - MATERIALS (BRGU) CATEGORY IN THE BUILDING MATERIALS DIRECTORY FOR NAMES OF MANUFACTURERS. ANY PIPE COVERING MATERIAL MEETING THE ABOVE SPECIFICATIONS AND BEARING THE UL CLASSIFICATION MARKING WITH A FLAME SPREAD INDEX OF 25 OR LESS AND A SMOKE DEVELOPED INDEX OF 50 OR LESS MAY BE USED.
 4. FIRESTOP SYSTEM - THE DETAILS OF THE FIRESTOP SYSTEM SHALL BE AS FOLLOWS:
 A. PACKING MATERIAL - (OPTIONAL, NOT SHOWN) - POLYETHYLENE BACKER ROD OR NOM 1 IN. (25 MM) THICKNESS OF TIGHTLY-PACKED MINERAL WOOL BATT OR GLASS FIBER INSULATION FIRMLY PACKED INTO OPENING AS A PERMANENT FORM. PACKING MATERIAL TO BE RECESSED FROM TOP SURFACE OF FLOOR OR FROM BOTH SURFACES OF WALL AS REQUIRED TO ACCOMMODATE THE REQUIRED THICKNESS OF FILL MATERIAL. IN FLOORS CONSTRUCTED OF HOLLOW-CORE CONCRETE, PACKING MATERIAL TO BE RECESSED FROM TOP AND BOTTOM SURFACES OF FLOOR OR SLEEVE AS REQUIRED TO ACCOMMODATE THE REQUIRED THICKNESS OF FILL MATERIAL.
 A1. FORMING MATERIAL* - AS AN ALTERNATE TO THE PACKING MATERIAL IN ITEM 5A, NOM 4 IN. (102 MM) WIDE STRIPS OF MIN 1/2 IN. (13 MM) THICK COMPRESSIBLE MAT FOLDED IN HALF LENGTHWISE AND STACKED TO A THICKNESS GREATER THAN THE WIDTH OF THE ANNULAR SPACE AND COMPRESSIONFITTED, EDGE-FIRST, TO FILL THE ANNULAR SPACE TO A MIN 2 IN. (51 MM) DEPTH. TOP OF FORMING MATERIAL TO BE RECESSED FROM TOP SURFACE OF FLOOR OR FROM BOTH SURFACES OF WALL AS NECESSARY TO ACCOMMODATE THE REQUIRED THICKNESS OF CAULK FILL MATERIAL. IN FLOORS CONSTRUCTED OF HOLLOW-CORE CONCRETE, FORMING MATERIAL TO BE RECESSED FROM TOP AND BOTTOM SURFACES OF FLOOR OR SLEEVE AS REQUIRED TO ACCOMMODATE THE REQUIRED THICKNESS OF FILL MATERIAL.
 3M COMPANY - FIRE BARRIER PACKING MATERIAL.
 B. FILL VOID OR CAVITY MATERIALS* - SEALANT - MIN 2 IN. (51 MM) THICKNESS OF SEALANT APPLIED WITHIN THE ANNULUS. FLUSH WITH TOP SURFACE OF FLOOR OR WITH BOTH SURFACES OF WALL. IN FLOORS CONSTRUCTED OF HOLLOW-CORE CONCRETE, MIN 2 IN. (51 MM) THICKNESS OF SEALANT APPLIED WITHIN THE ANNULUS. FLUSH WITH TOP AND BOTTOM SURFACES OF FLOOR OR SLEEVE.
 3M COMPANY - FB-3000 WT
 *BEARING THE UL CLASSIFICATION MARKING

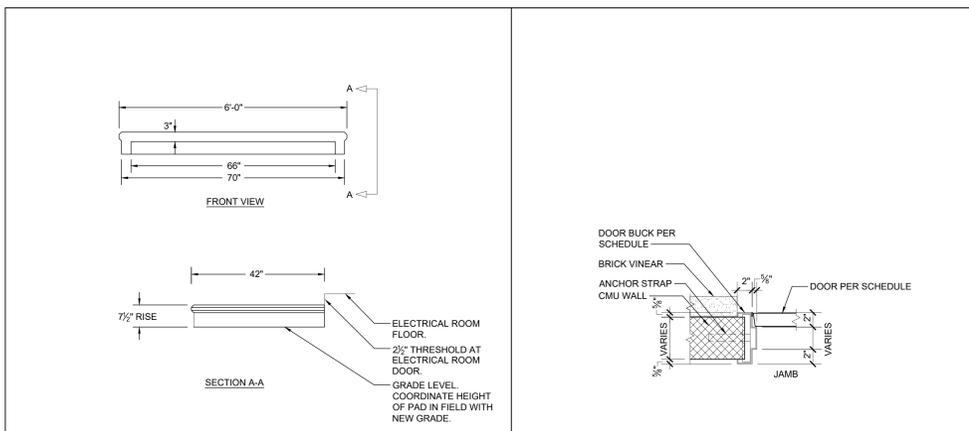
1 INSULATED PIPE FIRE STOPPING DETAIL
 SCALE: NONE

DESIGN INTENT NOTES

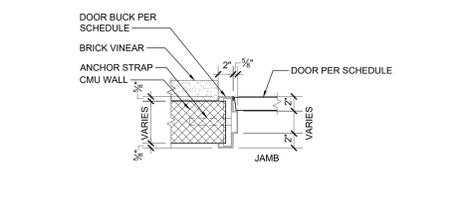
IT IS THE INTENT OF THIS PROJECT TO REPLACE THE EXISTING HEATING AND COOLING PLANT, STAND-BY POWER GENERATOR SYSTEM, THE ELECTRICAL DISTRIBUTION EQUIPMENT, PLANT AREA LIGHTING SYSTEMS AND FIRE ALARM SYSTEMS. THESE SYSTEMS SHALL BE REPLACED IN TOTALITY.
 THIS WORK SHALL TAKE PLACE IN A PHASED APPROACH THAT WILL ALLOW UNINTERRUPTED HEATING / COOLING AND POWER TO ALL THE BUILDINGS AND EQUIPMENT. THE CONTRACT DOCUMENTS INDICATE THE MINIMUM PHASING REQUIREMENTS TO CONVEY THE DESIGN INTENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL PHASING OF WORK INCLUDING ALL NECESSARY LABOR AND MATERIALS, TEMPORARY WORK, PIPING FEEDERS AND EQUIPMENT IN ORDER TO PROPERLY PHASE THE WORK AND MEET THE DESIGN INTENT.
 THE SCOPE OF WORK SHALL INCLUDE TEMPORARY SERVICES. THE CONTRACTOR SHALL PROCURE TEMPORARY BOLERS AND CHILLERS FOR AS LONG AS IS NECESSARY IN ORDER TO PROVIDE TEMPORARY HOT WATER AND CHILLED WATER. THE CONTRACTOR SHALL PROVIDE TEMPORARY POWER FOR EQUIPMENT INCLUDING GENERATORS FOR POWER AND ALL FUEL REQUIRED. PROVIDE TEMPORARY PIPING CONNECTIONS AND MODIFICATIONS TO EXISTING PIPING SYSTEMS. PROVIDE TEMPORARY CONTROLS AND MODIFICATIONS TO EXISTING CONTROLS IN ORDER TO FACILITATE THE INTEGRATION OF TEMPORARY AND NEW SYSTEMS SO THAT THE BUILDINGS ARE CONTINUALLY SERVED WITH HOT WATER AND OR CHILLED WATER.
 IN GENERAL, IT WILL BE NECESSARY TO DEMOLISH ALL ABANDONED MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT PIPING AND CONDUITS IN THE MAIN PLANT AND IN THE ORIGINAL PLANT TO MAKE SPACE FOR NEW EQUIPMENT. THE INTENT IS TO INSTALL THE NEW CHILLER AND BOILER PLANT AS WELL AS THE NEW PRIMARY/SECONDARY PIPING SYSTEMS AS WELL AS ALL NECESSARY SUNDRY ITEMS SUCH AS PUMPS, COOLING TOWERS BREECING, COMBUSTION AIR DAMPERS, FUEL OIL PIPING, GAS PIPING, OIL PUMPS, POWER, AND CONTROLS SO THAT THE NEW PLANT IS FULLY FUNCTIONAL BEFORE REMOVAL OF THE TEMPORARY HEATING AND COOLING EQUIPMENT. THE EXISTING BUILDINGS AND SECONDARY PUMPS SHALL REMAIN CONNECTED TO EXISTING PIPING AND TEMPORARY HEATING/COOLING PLANT UNTIL SUCH TIME AS THE PLANT IS OPERATIONAL.
 WHEN THE NEW HEATING/COOLING PLANT IS OPERATIONAL INCLUDING SECONDARY PUMPS AND CONTROLS, EACH BUILDING'S SECONDARY PIPING SYSTEM CAN BE CONNECTED TO THE NEW SECONDARY PIPING SYSTEMS AND PUMP SETS SO AS TO CAUSE THE MINIMUM OF SYSTEM DOWN TIME FOR EACH BUILDING. WHEN ALL BUILDINGS ARE CONNECTED TO THEIR NEW SECONDARY PUMP SETS AND THEN NEW PLANT DEMOLITION OF THE REMAINING EXISTING PUMPS, POWER AND CONTROLS CAN BEGIN.
 WHEN DEMOLITION OF THE EXISTING ABANDONED EQUIPMENT IS COMPLETE THE NEW DOMESTIC WATER HEATING SYSTEM SHALL BE CONSTRUCTED ALONG WITH MODIFICATIONS TO THE DOMESTIC WATER, SANITARY, STORM AND GAS SYSTEMS. WHEN THE NEW DOMESTIC WATER HEATING SYSTEM HAS BEEN CONSTRUCTED AND IS FULLY OPERATIONAL AND CONNECTED TO THE EXISTING DISTRIBUTION SYSTEM, THE EXISTING HEATING SYSTEM MAY BE DEMOLISHED.
 IN SUPPORT OF THE PROJECT'S MECHANICAL, PLUMBING AND ELECTRICAL WORK THERE IS A CERTAIN AMOUNT OF GENERAL CONSTRUCTION THAT IS REQUIRED. THIS WORK SHALL BE PHASED AS NECESSARY IN ORDER TO FACILITATE THE CONSTRUCTION OF NEW MECHANICAL, PLUMBING AND ELECTRICAL EQUIPMENT AND SYSTEMS. THIS SHALL INCLUDE SITE WORK AND RESTORATION AS WELL AS CUTTING, PATCHING, PAINTING, CONCRETE, FIRE STOPPING, DOORS AND HARDWARE.

TAG	LOCATION	DOOR						FRAME			FIRE RATING	SADDLE	UNDERCUT	NOTES
		MATERIAL	WIDTH	HEIGHT	THICKNESS	TYPE	FINISH	TYPE	MATERIAL	FINISH				
A	ELECTRICAL ROOM	HOLLOW METAL	(2) X 30"	96" VIF	1 1/2"	FLUSH	PAINTED METAL	WELDED	STEEL 16GA	PAINTED METAL	1 1/2 HR	ALUMINUM	N/A	PROVIDE SELF CLOSER & HARDWARE AS PER NOTES
B	ELECTRICAL ROOM	HOLLOW METAL	36"	84" VIF	1 1/2"	FLUSH	PAINTED METAL	WELDED	STEEL 16GA	PAINTED METAL	1 1/2 HR	N/A	N/A	PROVIDE SELF CLOSER & HARDWARE AS PER NOTES

HARDWARE NOTES:
 1. DOOR CLOSERS SHALL BE HEAVY DUTY BRUSHED STEEL - LCN 4200 SERIES.
 2. EXTERNAL DOOR SHALL HAVE ALUMINUM SADDLE AND DOOR SWAMP.
 3. INTERIOR LOCK SET SHALL BE SARGENT OR SCHLAGE BORED TYPE WITH BRUSHED STEEL LEVER HANDLES. KEYED TO HOUSE MASTER.
 4. EXTERIOR LOCK SET SHALL BE SARGENT OR SCHLAGE BORED TYPE WITH DEAD BOLT, LEVER HANDLES, BRUSHED STEEL. KEYED TO HOUSE MASTER.
 5. PROVIDE 3 HINGES PER DOOR. STAINLESS STEEL WITH DUTY BEARING TYPE.
 6. PROVIDE DOUBLE DOOR WITH MULTIPPOINT (TOP BOTTOM) AUTO-DEAD LOCK ON AUXILIARY DOOR AND PUSH BAR ON EXIT DOOR.



4 EXTERIOR STAIR / PLATFORM DETAIL
 SCALE: NONE



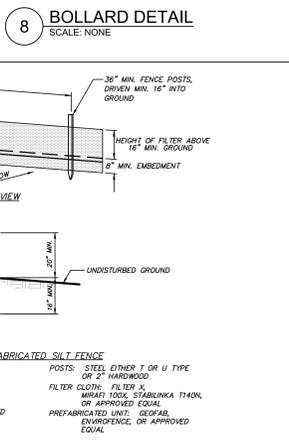
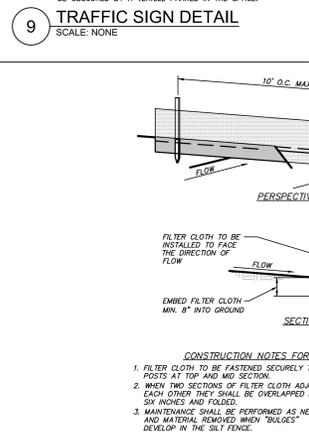
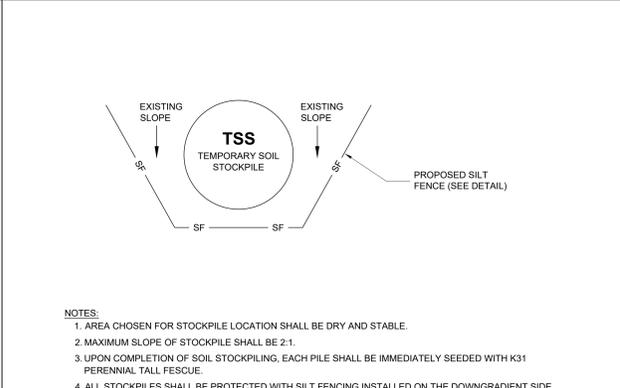
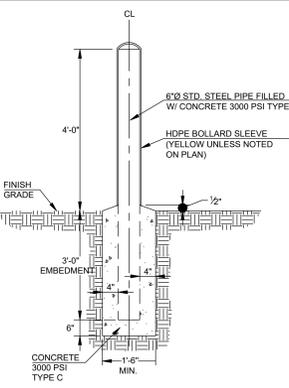
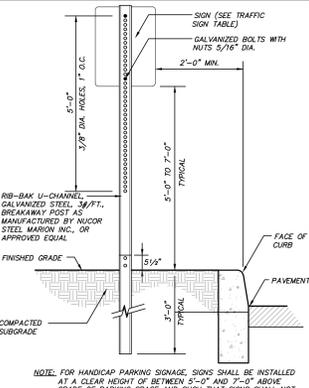
3 H.M. FRAME AT MASONRY WALL
 SCALE: NONE

GENERAL CONSTRUCTION NOTES

- Any and all contractors / subcontractors will not be permitted within the Rockland County building complex at any time. It shall be the contractor's responsibility to provide sanitary facilities (i.e. porta-john (and other necessary temporary facilities) throughout the duration of construction.
- The contractor shall field verify all dimensions relative to the scope of work.
- It shall be the contractor's responsibility to identify and protect all underground utilities. The contractor shall contact dig safely New York at 811 or 1-800-962-7962 and any other required utility locators prior to the start of construction.
- The exact location, size, and type of the existing utilities may differ from what is shown hereon. The contractor shall field verify the location size and type of the existing utilities ahead of construction as necessary to permit revisions to meet existing utilities or relocate proposed utilities as required.
- The contractor shall coordinate their construction operations with any other construction activities and/or events / activities occurring simultaneously.
- The contractor shall coordinate the layout of the work with the owner, and the project architect/engineer, and eliminate all conflicts including but not limited to utility location conflicts, prior to commencement of any proposed work. The contractor shall expose pertinent existing utilities far enough ahead of construction to verify the size, type, location and invert of the existing utility, and eliminate and conflicts without resulting in a delay in work.
- The contractor shall field verify the existing grades/utility locations prior to commencement of any work. Any discrepancy shall be reported to the owner and project engineer when identified.
- All vehicle and pedestrian traffic shall be maintained as directed by the owner and/or the project engineer.
- All existing vegetation not proposed to be removed shall be protected from damage, and if damaged replaced at the contractor's expense.
- All existing concrete curb not proposed to be removed shall be protected from damage during construction, and if damaged replaced at the contractor's expense to original condition.
- Original condition shall mean the condition in which the feature was found (or better) at the start of construction.
- The contractor shall provide all removals incidental and necessary to execute the work prescribed in the contract documents. All existing features specified to be removed shall be removed in their entirety unless otherwise authorized in writing by the owner or the project engineer.
- The contractor will be held responsible for all damage caused to existing utilities / features / facilities during the execution of the work not proposed to be modified or removed by this contract. All damage to any existing utilities / features / facilities not proposed to be modified by the contract shall be repaired or replaced by the contractor to the satisfaction of the owner at no additional cost.
- The contractor shall submit a plan to the project engineer demonstrating anticipated vehicle patterns during fall paving operations.
- All walkways and sidewalks at existing entrances shall match the existing grades.
- All pavement striping to be performed by contractor and shall reflect existing conditions.
- All personal vehicles, materials, and construction equipment must be kept within the contract limit line. Use of additional on-site storage areas must be pre-authorized by the owner.
- Four inches of screened topsoil shall be placed and raked to finished grade by the contractor over all disturbed areas not covered by pavement / concrete surfaces.
- The contractor shall coordinate all lane closures with the owner, and will be responsible for the implementation of all maintenance and protection of traffic (MP&T) measures if necessary. MP&T shall include but not be limited to placement of traffic cones and warning signs around work area.
- The contractor shall maintain existing grades unless otherwise noted.
- The contractor shall be responsible for the implementation of erosion and sediment controls as necessary to prevent erosion and migration of sediment outside of the contract limit line into the stormwater collection system. Erosion and sediment controls may include but are not limited to silt fence, stabilized construction entrance, and inlet protection. All erosion and sediment controls shall be installed in accordance with the New York State Standards and Specifications for Erosion and Sediment Control. Additional erosion and sediment controls may be required during construction by the project engineer.
- In areas of pavement repair and replacement contractor to adjust utility structure rims to match future finished grade.

EROSION AND SEDIMENT CONTROL NOTES

- The general contractor will be responsible for the implementation and maintenance of erosion and sediment control measures on this site prior to and during construction.
- All construction activities involving the removal or disposition of soil are to be provided with appropriate protective measures to minimize erosion and contain sediment disposition within. Minimum soil erosion and sediment control measures shall be implemented as shown on the plans and shall be installed in accordance with "New York Standards and Specifications For Erosion and Sediment Control," latest edition.
- Whenever feasible, natural vegetation should be retained and protected. Disturbance shall be minimized in the areas required to perform construction. No more than 5 acres of unprotected soil shall be exposed at any one time.
- When land is exposed during development, the exposure shall be kept to the shortest practical period of time. In the areas where soil disturbance activity has temporarily or permanently ceased, the application of soil stabilization measures must be initiated by the end of the next business day and completed within fourteen (14) days from the date the current soil disturbance activity ceased. Disturbance shall be minimized to the areas required to perform construction.
- Silt fence shall be installed as shown on the plans prior to beginning any clearing, grubbing or earthwork.
- All topsoil to be stripped from the area being developed shall be stockpiled and immediately seeded for temporary stabilization. Ryegrass (annual or perennial) at a rate of 30 lbs. per acre shall be used for temporary seeding in spring, summer or early fall. "Aristock Winter Rye (cereal rye)" shall be used for temporary seeding in late fall and winter.
- Any disturbed areas not subject to further disturbance or construction traffic, permanent or temporary, shall have soil stabilization materials initiated for permanent vegetation cover in combination with a suitable mulch within 1 business day of final grading. All seeded areas to receive a minimum 4" topsoil (from stockpile area) and be seeded and mulched as follows:
 - Seed mixture to be planted between March 21 and May 20, or between August 15 and October 15 or as directed by project representative at a rate of 100 pounds per acre in the following proportions:
 - Kentucky Bluegrass 20%
 - Creeping Red Fescue 40%
 - Perennial Ryegrass 20%
 - Annual Ryegrass 20%
 - Mulch: Silt hay or small grain straw applied at a rate of 90 lbs/1000 S.F. or 2 tons/acre, to be applied and anchored according to "New York Standards and Specifications For Erosion and Sediment Control," latest edition.
- Gross seed mix may be applied by either mechanical or hydroseeding methods. Seeding shall be performed in accordance with the current edition of the "NYSDOT Standard Specification, Construction and Materials, Section 610-3.02, Method No. 1". Hydroseeding shall be performed using materials and methods as approved by the site engineer.
- Cut or fill slopes steeper than 2:1 shall be stabilized immediately after grading with Curlex I Single Net Erosion Control Blanket, or approved equal.
- Paved roadways shall be kept clean at all times.
- The site shall at all times be graded and maintained such that all stormwater runoff is diverted to soil erosion and sediment control facilities.
- All storm drainage outlets shall be stabilized, as required, before the discharge points become operational.
- Stormwater from disturbed areas must be passed through erosion control barriers before discharge beyond disturbed areas or discharged into other drainage systems.
- Erosion and sediment control measures shall be inspected and maintained on a daily basis by the O.F.R. to insure that channels, temporary and permanent ditches and pipes are clear of debris, that embankments and berms have not been breached and that all straw bales and silt fences are intact. Any failure of erosion and sediment control measures shall be immediately repaired by the contractor and inspected for approval by the O.F.R. and/or site engineer.
- Dust shall be controlled by sprinkling or other approved methods as necessary, or as directed by the O.F.R.
- Cut and fills shall not endanger adjoining property, nor divert water onto the property of others.
- All fills shall be placed and compacted in 6" lifts to provide stability of material and to prevent settlement.
- The O.F.R. shall inspect downstream conditions for evidence of sedimentation on a weekly basis and after rainstorms.
- As warranted by field conditions, special additional erosion and sediment control measures, as specified by the site engineer and/or the Village Engineer shall be installed by the contractor.
- Erosion and sediment control measures shall remain in place until all disturbed areas are suitably stabilized.

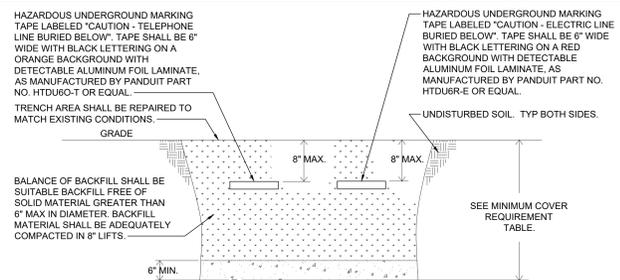
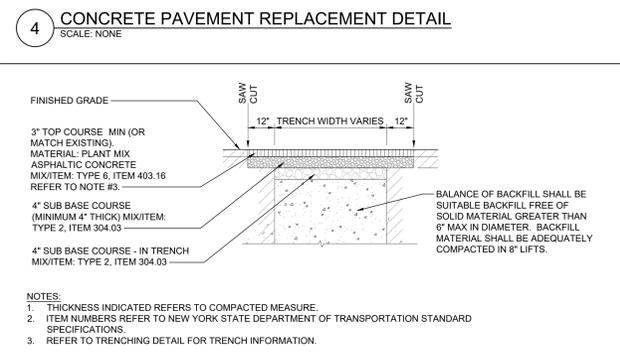
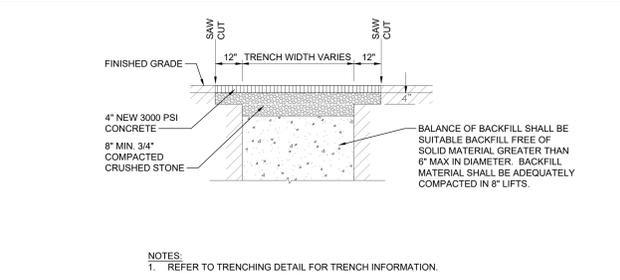
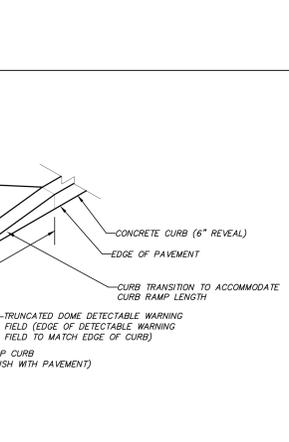
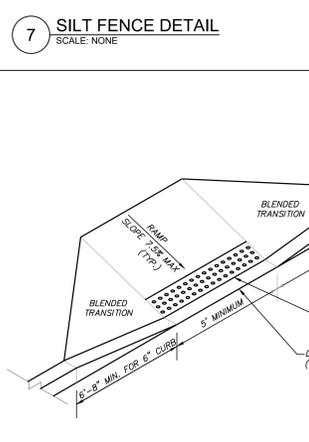


SOIL RESTORATION REQUIREMENTS
(ON-SITE SOILS WITHIN THE LIMIT OF DISTURBANCE SUBJECT TO THE HORIZONTAL SOIL GROUP (HSG) #)

THE CONTRACTOR SHALL BE REQUIRED TO PERFORM THE FOLLOWING SOIL RESTORATION MEASURES PRIOR TO INSTALLING TOPSOIL, SEED AND MULCH. (SEE STOCKPILE IN THE FOLLOWING TABLE BUT NOT NEED TO BE PERFORMED)

TYPE OF SOIL DISTURBANCE	SOIL RESTORATION REQUIREMENT	COMMENTS/EXAMPLES
No soil disturbance	Restoration not permitted	Preservation of Natural Features
Minimal soil disturbance	Restoration not required	Clearing and grubbing
Areas where topsoil is affected only - no change in grade	HSG A & B Apply 6" of topsoil	Protect area from any ongoing construction activities
Areas of cut or fill	HSG A & B Apply full soil restoration	
Heavy traffic areas on site especially in a zone 5-20 feet from any edge of excavation with a 5 foot perimeter around foundation walls.	Apply full Soil Restoration (de-compaction and compact enhancement)	
Areas where runoff reduction and/or application practices are applied	Restoration not required, but may be applied for appropriate practices.	Keep construction equipment from crossing these areas. To avoid any early installed practices from any ongoing construction activities. construction a single phase operation fence area.
Redevelopment projects	Soil restoration is required on redevelopment projects in areas where existing impervious areas will be converted to pervious area.	

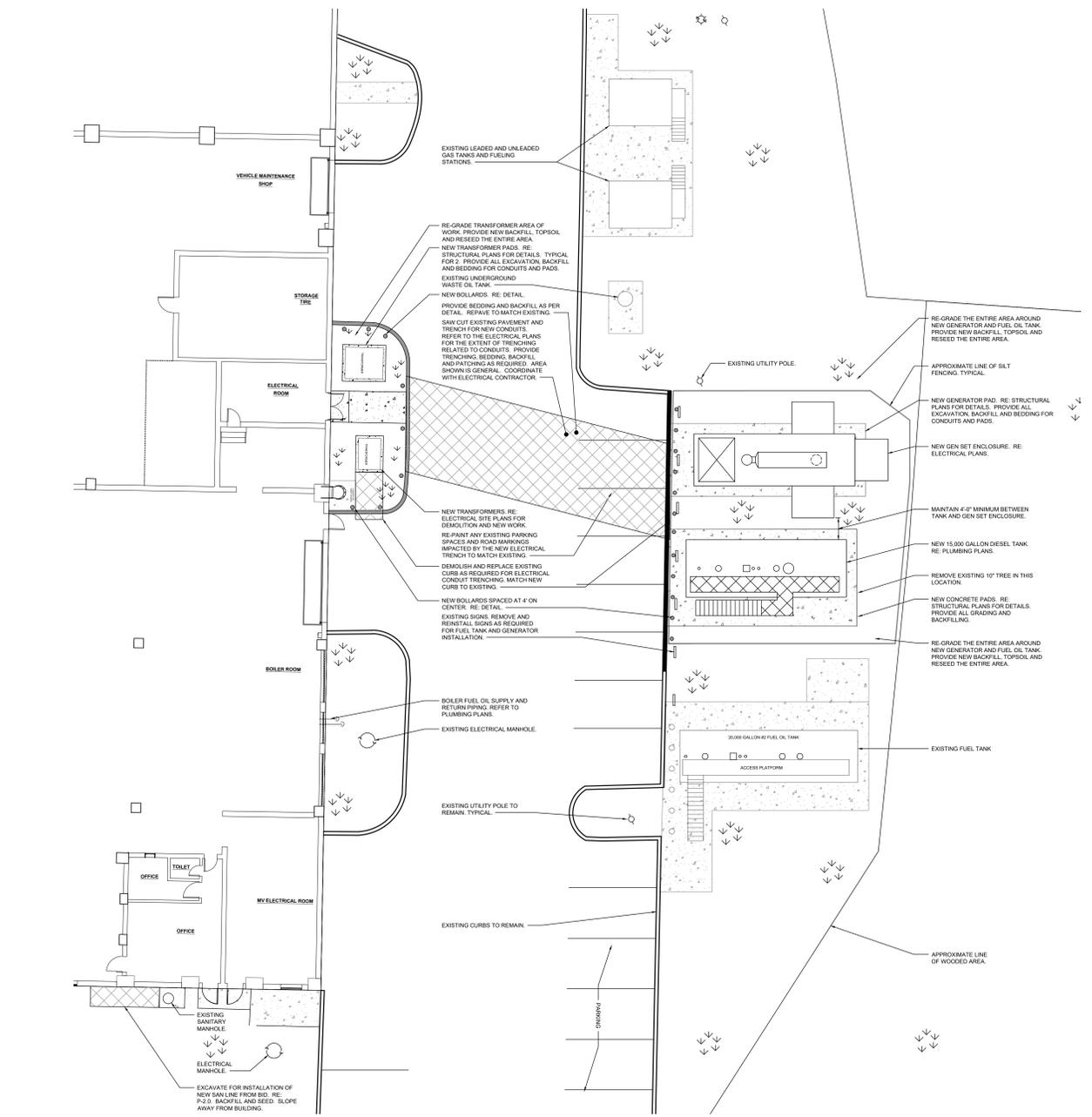
- Aeration includes the use of machines such as tractor-drawn implements with coulters making a narrow slit in the soil a coulters with many spikes making indentations in the soil, or prongs which function like a mini-subsoiler.
- Deep Ripping and De-compaction, DEC 2008.
- Aeration includes the use of machines such as tractor-drawn implements with coulters making a narrow slit in the soil, a roller with many spikes making indentations in the soil, or prongs which function like a mini-subsoiler.
- During periods of relatively low to moderate subsoil moisture, the disturbed soils are returned to rough grade and the following Soil Restoration steps applied:
 - Apply 3 inches of compost over subsoil.
 - The compost is tilled to a depth of at least 12 inches using a cat-mounted tillage, tractor-mounted disc, or tiller, mixing and circulating air and compost into subsoil.
 - Road-side until until stone/rock materials of four inches and larger size area cleaned off the site.
 - Apply topsoil to a depth of 6 inches.
 - Vegetate as required by seeding notes located on the project drawings.
 - Tilling should not be performed within the site line of any existing trees or over any utility installations that are within 24 inches of the surface.
- Compost shall be sited from plant derived materials, free of viable weed seeds, have no viable free water or dust produced when handling, pass through a half inch screen and have a pH suitable to grow desired plants.



MINIMUM COVER REQUIREMENT TABLE

LOCATION	NONMETALLIC RACEWAYS LISTED FOR DIRECT BURIAL WITHOUT CONCRETE ENCASEMENT OR OTHER APPROVED RACEWAYS
ALL LOCATION NOT SPECIFIED BELOW.	18"
IN TRENCH BELOW 2-IN. THICK CONCRETE OR EQUIVALENT.	12"
UNDER MINIMUM OF 4-IN. THICK CONCRETE EXTERIOR SLAB WITH NO VEHICULAR TRAFFIC AND THE SLAB EXTENDING NOT LESS THAN 6 IN. BEYOND THE UNDERGROUND INSTALLATION.	4" SEE NOTE #2.
UNDER STREETS, HIGHWAYS, ROADS, ALLEYS, DRIVEWAYS, AND PARKING LOTS.	24"

NOTES:
1. DETAIL SHOWN FOR INFORMATION PURPOSES. SAME CONCEPT SHALL ALSO APPLY FOR SINGLE CONDUITS.
2. SAND MAY BE OMITTED FOR INSTALLATIONS WHERE COVER REQUIREMENTS ARE 6" OR LESS.
3. CONDUIT AND WIRING FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.



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KEYPLAN

CAMPUS-KEYPLAN

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CAPITAL PROJECT 446B
BUILDING & UTILITY PLANT
RENOVATION & IMPROVEMENTS
DR. ROBERT L. YEAGER HEALTH CENTER
50 SANATORIUM ROAD,
POMONA, NY 10970

SITE CONSTRUCTION LANDSCAPING PLAN

SCALE: AS NOTED
DRAWN BY: NW
CHECKED BY: RJS
DATE: 04-28-2020

PROJECT NO: NRC0016.00
DRAWING NO: L2.1